Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**Study Guide: Unit 1 Test Honors**

1. Euclid
   1. Axioms
      1. What is an axiomatic system?
      2. Axioms #1 – 5: What do they look like? You do not need to memorize the axioms, you need to be familiar with them.
      3. Why are they important to Geometry?
   2. Know a few facts about Euclid and his life
2. Undefined Terms
   1. Be able to describe, draw an example of, and use notation for point, line, and plane.
   2. Make connections between the undefined terms and other vocabulary terms in Geometry.
   3. Know the dimensions of each of the undefined terms.
3. Basic Geometry Vocabulary
   1. Be able to define, draw an example of, and use notation for line segment, ray, collinear, coplanar (NOTE: collinear and coplanar do not have a form of notation)
   2. Understand and be able to describe the intersections between different combinations of planes and lines. (Example: Describe the intersection between two lines.)

1. Introduction to Angles
   1. Be able to define and name an angle.
   2. Know basic terms associated with angles (acute, obtuse, etc.)
   3. Solve problems using supplementary and complementary angles (including those with Algebra)
2. Review of Linear Equations
   1. Slope-intercept form: graphing and writing equations, understand slope as a rate of change and y-intercept as a “starting point”
   2. Understand the relationship between parallel lines; understand the relationship between perpendicular lines